



# Gads Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-03886                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>                   | GRAP2                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>                   | The antiserum was produced against synthesized peptide derived from human GRAP2. AA range:121-170                                                                                                                                                                                                                                                                                              |
| <b>Specificity</b>                 | Gads Polyclonal Antibody detects endogenous levels of Gads protein.                                                                                                                                                                                                                                                                                                                            |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                          |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>                    | Adapter protein GRID;GADS;GRAP 2;GRAP2;GRB 2 like protein;GRB2 related adapter protein 2;GRB2 related adaptor protein 2;GRB2L;GRBLG;GrbX;Grf 40;Grf40;Grf40 adapter protein;GRID;GRPL;Mona;Protein GADS;SH3 SH2 SH3 adapter Mona;GRB2-related adapter protein 2;GRB-2-like protein;Grf-40;Growth factor receptor-binding protein;Hematopoietic cell-associated adapter protein Grp             |
| <b>Observed Band</b>               | 38kD                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Calculated Molecular Weight</b> | 38kD                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cell Pathway</b>                | Nucleus . Cytoplasm . Endosome .                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b>          | Blood,Lung,Platelet,Spleen,T-cell,Thymus,                                                                                                                                                                                                                                                                                                                                                      |
| <b>Function</b>                    | function:Interacts with SLP-76 to regulate NF-AT activation. Binds to tyrosine-phosphorylated shc.,similarity:Belongs to the GRB2/sem-5/DRK family.,similarity:Contains 1 SH2 domain.,similarity:Contains 2 SH3 domains.,subunit:Interacts with phosphorylated LIME1 upon TCR activation (By similarity). Interacts with phosphorylated LAT and LAX1 upon TCR activation. Interacts with SHB., |

**Background**

This gene encodes a member of the GRB2/Sem5/Drk family. This member is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), this protein contains an SH2 domain flanked by two SH3 domains. This protein interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Apr 2014],

**matters needing attention**

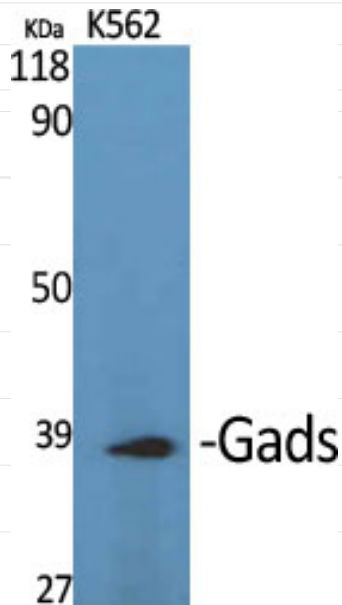
Avoid repeated freezing and thawing!

**Usage suggestions**

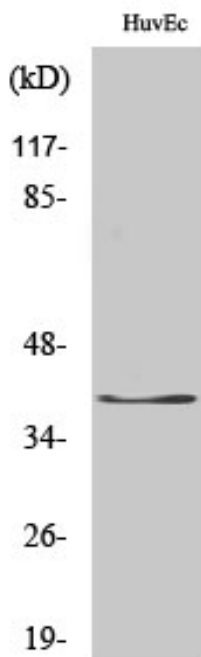
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



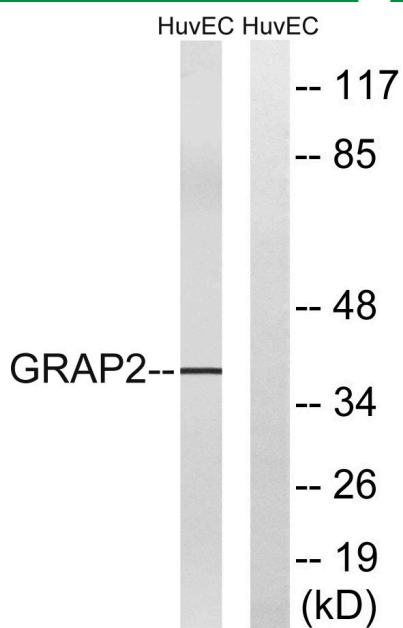
## Products Images



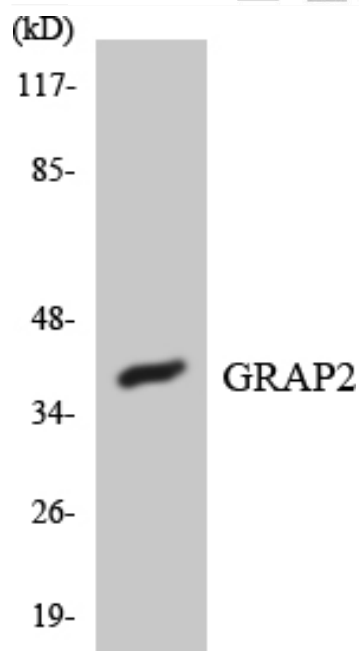
Western Blot analysis of various cells using Gads Polyclonal Antibody



Western Blot analysis of HuvEc cells using Gads Polyclonal Antibody



Western blot analysis of lysates from HUVEC cells, using GRAP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using GRAP2 antibody.